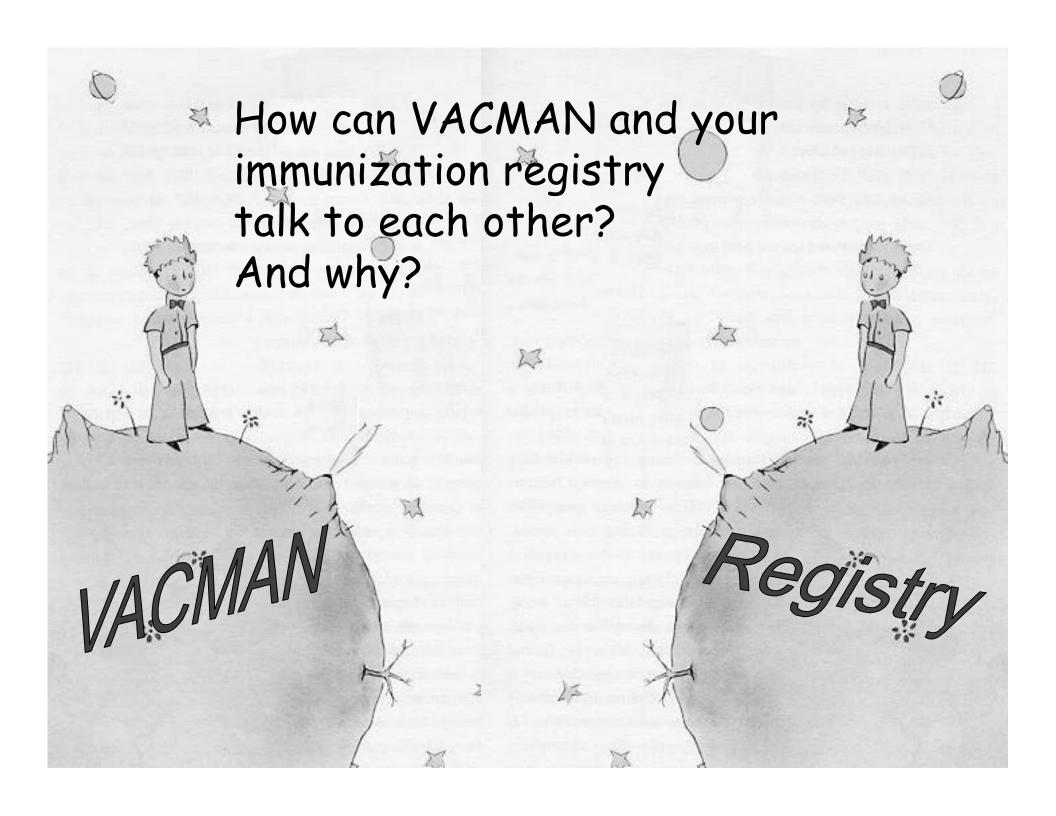
VACMAN - Registry Interface

Presented by
Sandra Kelsey
New Hampshire Immunization Program
and
Evan Willis
National Immunization Program

VFC III Regional Workshops April 1999





VACMAN

The types of data that you may want to exchange:

- * New provider vaccine orders (to be shipped by Depot, and Varicella to be shipped by Merck)
- * Provider inventory adjustments ("Other Transactions"): wasted, expired, spoiled

* New or updated provider profiles

* Doses administered data



- * Status of provider vaccine orders
- * Inventory available at Depot



There are two methods for exchanging data:

Batch

- * Semi-automatic process
- * Download data to a file; then upload data from file to other system
- Uses VACMAN Import and Export Utilities, and Registry batch process

Real-time

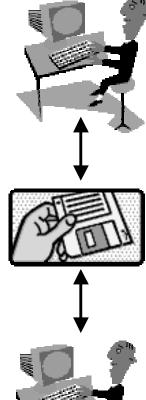
- * Automatic process
- * Instantly transfer data between the two systems
- Uses VACMAN.DLL Interface Component installed on Registry
- * Used by ImmPact, Maine/N.H. Registry



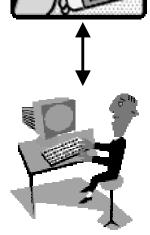


Batch

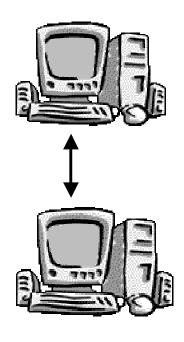
Immunization Registry generates output file and/or reads input file.



VACMAN Import / Export **Utilities**



Real-time



Immunization Registry calls Interface Component, which in turn connects to and exchanges data with VACMAN.

Technical Stuff:

The Interface Component is an Active-X file called VACMAN.DLL. This file is registered on the Registry server. Data is exchanged using Microsoft ODBC FoxPro Driver. All data exchange is initiated by Registry.

Real-time interface...up close



Registry

Create/Update Depot Provider Vaccine Order Create/Update Varicella Vaccine Order

Create/Update Prov. Inventory Adjustment Create/Update Provider Profile

Create/Update
Provider
Enrollment Data

Update Provider Shipping Data

Create/Update Doses Administered Read Inventory on Hand Active-X Interface Component

> VACMAN DataBases

ImmPact A Tool for Providers

Using ImmPact in Your Practice





A National Model

ImmPact is the first in the United States...

to involve private providers

• to use the security and utility of the internet

• to offer electronic inventory management



ImmPact
New Hampshire's Immunization Information System

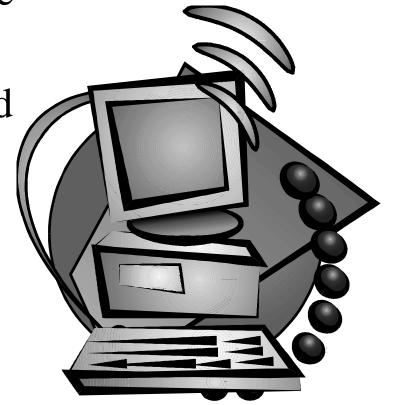
Is it safe using the internet?

 Studies show that locallystored data is more vulnerable to security breaches

 All data backed-up and stored off-site

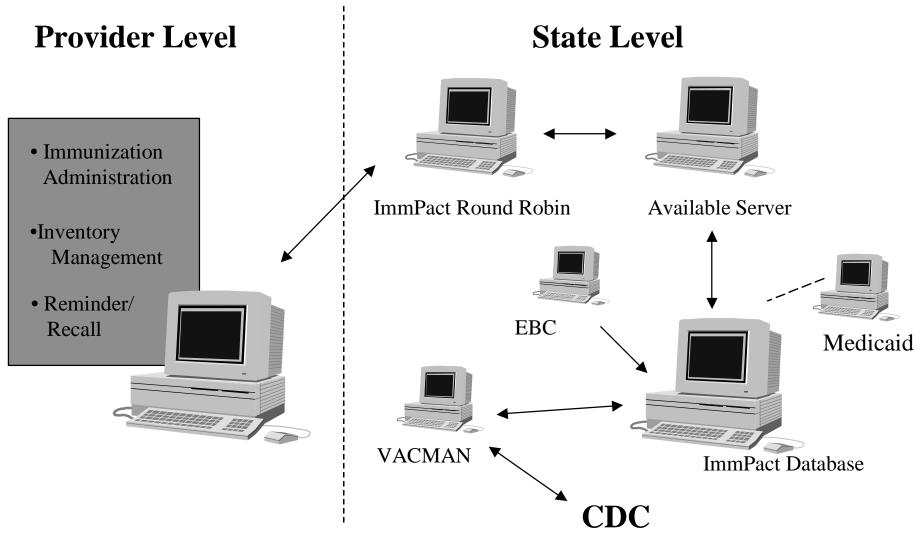
• Encryption software used by the Department of Defense

 Secured Socket Layer (SSL) controls access

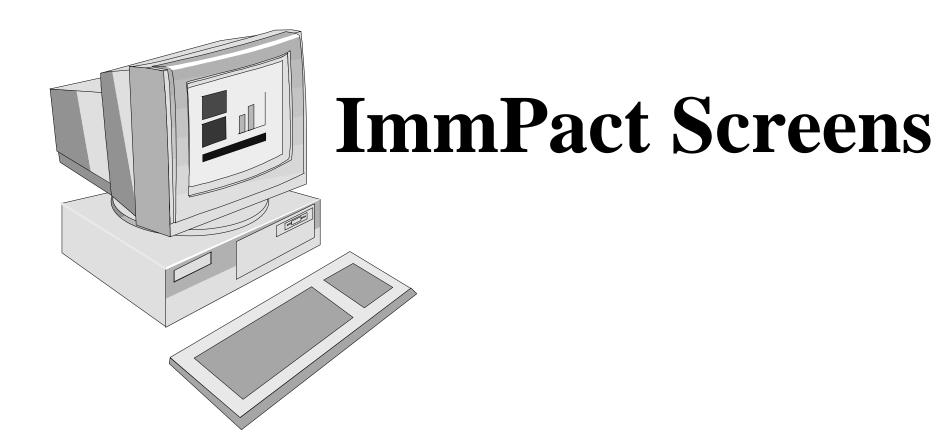




Registry Architecture



ImpPot New Hampshire's Immunization Information System





Vaccination Record



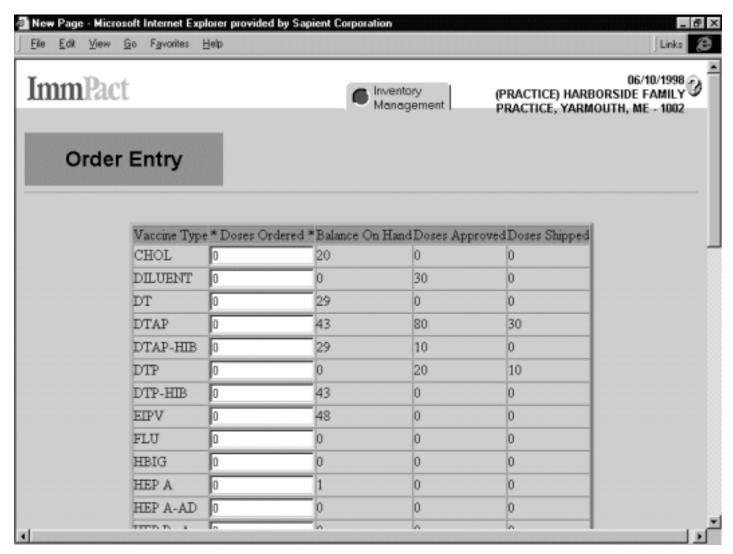


Inventory Main Menu





Order Entry Screen





Batch Formal

Real Time



Advantages

- * Visible control of data transfer
- * Registry and VACMAN are independent and don't require a connection.
- * Instant transfer of data
- * Requires no human intervention to transfer data

Dis-Advantages

- * Requires human to perform data transfer daily, weekly or monthly.
- * Fast, full-time, reliable connection to VACMAN data must exist when Registry is running.

\$\$ Cost

- * Import/Export utilities are free and already included in VACMAN
- * Must develop process for Registry to generate output data and/or accept input data in batch-mode. \$
- * Interface Component (developed for ME & NH) will be free and available * Must develop process for
- Registry to call Interface Component and handle data transfers and handle error events. \$\$\$



Take this test!

The state of the s	This is not me at all.		This defi	_	ly me!
(1) I need Registry data to be transferred to VACN as quickly as possible.	ЛAN 1	2	3	4	5
(2) I need VACMAN data to be transferred to Registry as quickly as possible.		2	3	4	5
(3) I need to transfer data often and without huma intervention.	an 1	2	3	4	5
(4) I rely heavily on VACMAN's Inventory and Distribution functions.	1	2	3	4	5
(5) I have the additional time and money needed develop the real-time interface.	to 1	2	3	4	5
(6) I can have a full-time, reliable connection betw VACMAN and the Registry.	veen 1	2	3	4	5

Add your points together. If you score highly, consider a real-time interface!



For more information

Visit the VACMAN Web Site http://www.cdc.gov/nip/vacman and click on System Interfaces.

Sandra Kelsey

New Hampshire Immunization Program phone 603-271-4463 email skelsey@dhhs.state.nh.us

Paula Rosenberg

New Hampshire Immunization Program phone 603-271-4482 email prosenbe@dhhs.state.nh.us

Evan Willis

Data Management Division
National Immunization Program
Centers for Disease Control
phone 404-639-8229
email eaw5@cdc.gov

Jude Walsh

Maine Immunization Program email jude.e.walsh@state.me.us